



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/740,460	12/22/2003	Richard Allen Hay	006393.00002	3629
22907 7590 04/06/2007 BANNER & WITCOFF, LTD. 1100 13th STREET, N.W. SUITE 1200 WASHINGTON, DC 20005-4051			EXAMINER BLUDAU, BRANDON S	
			ART UNIT 2132	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		04/06/2007	PAPER	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/740,460	<b>Applicant(s)</b> HAY ET AL.	
	<b>Examiner</b> Brandon S. Bludau	<b>Art Unit</b> 2132	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 22 December 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. Claims 1-22 are examined.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by airPoint Pro Outdoor (Product # SB2515).
3. As per claim 1, airPoint discloses a wireless networking system, comprising:
  - a weatherproof housing, wherein the housing encloses:
  - a radio transceiver module,
  - a network router, coupled to the radio transceiver module, and
  - an encryption module (WEP security), coupled to the network router; anda securing device connected to the weatherproof housing (see specifications for airPoint Pro Outdoor, discusses weatherproof design and wall or pole mounting).

#### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and

Art Unit: 2132

the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-11 and 13-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over airPoint Pro Outdoor and further in view of Redford (US PgPub 2003/0126298).

5. As per claim 1, Redford discloses a wireless networking system, comprising:  
a weatherproof housing, wherein the housing encloses:  
a radio transceiver module,  
a network router, coupled to the radio transceiver module, and  
a securing device connected to the weatherproof housing ([0106]-[0114]).

Redford does not explicitly disclose wherein the access point contains an encryption module. AirPoint does disclose a similar access point wherein an encryption module is provided. Motivation for one of ordinary skill in the art to modify Redford to include an encryption module would have been to enable secure communication with the access point as would have been well known at the time of the invention,

6. As per claim 2, airPoint discloses the wireless networking system of claim 1, but does not disclose wherein the securing device comprises a tripod stand. AirPoint discusses a wall or pole mounting, in addition it discusses it could be installed on a rooftop. The Examiner argues that it is an obvious modification to include wherein the access point could be mounted on a tri-pod. It is well known in the art that tripods are secure bases for supporting a variety of devices, thus it would have been obvious at the time of the invention to modify airPoint to include a tripod stand. Moreover the examiner admits Redford to disclose a mobile wireless access point embodying similar features

as discussed in claim 1, moreover, Redford discloses wherein the access point is a mobile access point [0106]-[0114], thus the Examiner argues even further obviousness as tripods are well-known in the art for their desired mobility.

7. As per claim 3, airPoint discloses the wireless networking system of claim 2, but does not specifically disclose wherein each leg of the tripod stand is independently adjustable in length. The Examiner takes official notice, that it is a well-known feature in the art, that tripods are enabled so that each leg may be independently adjustable in length.

8. As per claim 4, airPoint discloses the wireless networking system of claim 1, but does not explicitly disclose further comprising a first antenna, coupled to the radio transceiver module, for receiving and transmitting Internet protocol data. AirPoint provides for an antenna connection wherein it is necessarily capable for receiving and transmitting Internet protocol data, moreover, the Examiner supplements airPoint with Redford to explicitly disclose the cited feature.

Redford discloses a first antenna for receiving and transmitting Internet protocol data ([0107]). Redford isn't necessarily brought in to modify airPoint, but further to demonstrate the obvious and well-known implementation found in the art. It would have been obvious in view of Redford to disclose an antenna for receiving Internet protocol data.

9. As per claim 5, Redford discloses the wireless networking system of claim 4, further comprising a second antenna, coupled to the radio transceiver module, for receiving and transmitting Internet protocol data (see fig. 15).

Art Unit: 2132

10. As per claim 6, Redford in view of airPoint discloses the wireless networking system of claim 5, wherein the first antenna is configured to operate as a wireless access point and the second antenna is configured to operate as an endpoint of a wireless bridge (see airPoint wherein it is capable of acting as an access point and an endpoint of a wireless bridge).

11. As per claim 7, Redford discloses the wireless networking system of claim 5, wherein the second antenna comprises a satellite uplink ([0107]).

12. As per claim 8, Redford discloses the wireless networking system of claim 7, wherein the first antenna is configured to operate as a wireless access point [0107].

13. As per claim 9, airPoint and Redford disclose the wireless networking system of claim 1, further comprising a power source (see Redford [0109]).

14. As per claim 10, Redford discloses the wireless networking system of claim 9, wherein the power source comprises a UPS, and is connected to a generator, external to the weatherproof housing ([0109] wherein it is well-known in the art to include a generator with a UPS in high-powered embodiments or wherein a long supply of power would be needed). The Examiner takes official notice that it is a very well known and common embodiment to include a generator connected to a UPS device for supplying continuous power over long periods of time.

15. As per claim 11, Redford discloses the wireless networking system of claim 9, wherein the power source comprises a UPS [0109], and is connected to a solar panel, external to the weatherproof housing. Redford doesn't explicitly disclose wherein the main access point comprises a solar panel, however [0116] and [0117] disclose wherein

remote secondary sites with similar features to the main site are powered from solar power, thus the Examiner argues that it would have been an obvious modification to include wherein the main site is powered from solar panels. Moreover, the Examiner takes official notice that solar panels are a well-known source of power for remote systems and would have been an obvious modification over Redford.

16. As per claim 13, Redford discloses the wireless networking system of claim 1, but does not disclose wherein the encryption module is certified for NSA certified encryption for classified secret communication. Redford discloses wherein the access point could be used for military installations [0106], thus there is an inherent desire for the data to be securely encrypted with a strong algorithm/key. Moreover, the applicant discloses as prior art the AirFortress secure gateway, which is well known in the art for providing a secure encryption module for wireless access points. Thus the Examiner argues that it would have been obvious for the encryption module to be certified for NSA encryption to do the use of the access point in military installations.

17. As per claim 14, Redford discloses the wireless networking system of claim 1, wherein the encryption module is certified for NIST 140 certified encryption (see arguments above)

18. As per claim 15, Redford discloses the wireless networking system of claim 1, wherein the network router and the radio transceiver module are physically located within one device (see fig. 15).

19. As per claim 16, Redford discloses the wireless networking system of claim 1, wherein the securing device couples the weatherproof housing to a vehicle [0114].

Art Unit: 2132

20. As per claim 17, Redford discloses the wireless networking system of claim 16, wherein the securing device attaches to a preexisting opening in the vehicle [0114].

21. As per claim 18, Redford discloses the wireless networking system of claim 16, further comprising a power source, wherein the power source comprises a UPS, and is connected to a battery of the vehicle, external to the weatherproof housing ([0109] wherein the Examiner takes official notice that it is well known in the art to connect a device operating within a vehicular embodiment to the battery of the vehicle for desired power).

22. As per claim 19, Redford discloses the wireless networking system of claim 1, wherein the network router is coupled to a wired network connection ([0106] wherein it is discussed that the network router may be coupled to a wired network although not desired).

23. As per claim 20, Redford discloses the wireless networking system of claim 1, wherein the network router and the encryption module are physically located within one device (see AirPoint).

24. Claims 21 and 22, are rejected by a combination of the arguments presented in the rejection of the individual system devices.

25. Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Redford, in view of airPoint, and further in view of Chew (US PgPub 2003/0231238).

Redford discloses the wireless networking system of claim 1, but does not disclose the system further comprising: a camera; and a video server, coupled to the



Art Unit: 2132

camera, for translation of video received through the camera to Internet protocol data, and for communicating the translated video IP data to the network router.

Chew however, does disclose a camera and a video server connected to a mobile wireless access point (see fig. 4). It would have been obvious for one of ordinary skill in the art to modify Redford to include a camera and a video server coupled to a wireless access point. Motivation for doing so would have been to enable teleconferencing from a remote wireless location as is discussed in Chew.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brandon S. Bludau whose telephone number is 571-272-3722. The examiner can normally be reached on Monday -Friday 8:00-5:30.

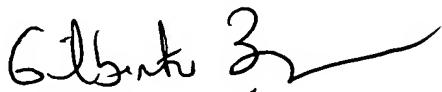
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2132

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Brandon S Bludau  
Examiner  
Art Unit 2132

BB  
\*\*\*

  
GILBERTO BARRON JR  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100